GAGAN KUMAR S

SOFTWARE ENGINEER – BACKEND DEVELOPER

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PROFESSIONAL EXPERIENCE

Senior Software Engineer   **TRACXN**   **Apr 2025 – Present**
- Engineered APIs to deliver curated startup and company data, powering dashboards, reports, and third-party integrations, with Elasticsearch enabling fast indexing and search across the platform.
- Designed scalable backend services to ingest Google Play Store data, map apps to companies, and derive scoring metrics to identify high-potential mobile-first startups.
- Automated the manual tagging of news articles to business events using Large Language Models (LLMs), significantly improving efficiency and reducing human effort for the business team.
- Implemented data ingestion pipelines for regulatory filings from Indian companies through EPFO

Specialist Programmer   **Infosys Ltd.**   **Sept 2020 – Sept 2023**
- Developed a dynamic application framework, capable of configuring data processing and visualisation widgets, which reduced backlogs by 70%, and enhanced user flexibility across modules.
- Improved the data processing system to be more efficient and robust, using Kafka queueing and streaming of data over GRPC, making the system resilient to peak demand periods.
- Optimized data caching strategy with Redis in backend, contributing to 30% relief on resource utilization.
- TOP 1% - Part of the most aspired track within the organisation, Power Programmers @ Infosys
- Mentored and supervised a team of 5 junior developers, facilitating skill development and aligning them with project goals, which improved team efficiency and delivery consistency.

SKILLS

✓ Java	✓ REST APIs	✓ SQL Databases	✓ Integration Testing
✓ Spring Boot	✓ Kafka	✓ Data Structures	✓ Contract Testing
✓ Python	✓ Redis	✓ Problem Solving	✓ End to End Testing
✓ Algorithms	✓ System Design	✓ Generative AI	✓ Design Patterns

PROJECTS
- **eCommerce Website** (2025). Backend services for product and inventory, along with payment integration.
- **Ghost Car** (2020). Fully functional model of a Level 4 Autonomous Car. OpenCV, ML, Raspberry Pi. Details
- **AgriCloud** (2018). IoT based solution to track agricultural soil and water metrics. Presented and won at several hackathons. Arduino, Data Analysis, Java Details

EDUCATION

Masters of Science in CS   **Scaler Neovarsity**   **2024 - 2025**
- Currently pursuing a remote advanced program in Computer Science accredited by EHEA.
- Achieving a qualification with EQF Level 7 accreditation and earning a total of 90 ECTS credits.

Bachelor of Engineering in CS   **SJB Institute of Technology**   **2016 - 2020**
- Graduated successfully with First Class with Distinction scores under VTU

ACHIEVEMENTS
- Solved 1,000+ competitive coding problems and earned 24 badges on platform Leetcode and Scaler.
- Secured third-place position in a 24-hour state level hackathon.
- Presented at a State Level Mentoring Session for Building PoCs, organized by Innovation Cell Ministry of HRD, Govt. of India.
- Authored multiple research papers, including a publication on autonomous vehicles featured in the International Journal of Engineering and Applied Science and Technology (IJEAST Vol.5 Issue 3)